

Listing of Claims:

1. (canceled)
2. (currently amended) Device according to claim [[1]] 28, wherein the sectional chambers are at least partially arranged in parallel one to another.
3. (currently amended) Device according to claim [[1]] 28, wherein the sectional chambers are arranged in a plane in parallel or perpendicularly to the base surface of the substrate.
4. (currently amended) Device according to claim [[1]] 28, wherein the membrane is arranged at least partially in a plane in parallel or perpendicularly to the base surface of the substrate.
5. (currently amended) Device according to claim [[1]] 28, wherein the membrane is flexible, ~~preferably elastic~~.
6. (canceled)
7. (canceled)
8. (canceled)
9. (canceled)
10. (canceled)

11. (canceled)
12. (canceled)
13. (canceled)
14. (canceled)
15. (currently amended) Device according to claim ~~[[1]]~~ 28, wherein the membrane comprises at least one pore, each pore having a pore diameter in a predetermined partial area of the area of 1 nm - 20 μm , ~~preferably 0.5 μm - 20 μm .~~
16. (currently amended) Device according to claim ~~[[1]]~~ 28, wherein the chamber comprises at least four admissions, and the membrane subdivides the chamber into two sectional chambers with at least two admissions each.
17. (canceled)
18. (currently amended) Device according to claim ~~[[1]]~~ 28, wherein the membrane and/or one chamber wall has a surface functionalization.
19. (currently amended) Device according to claim 18, wherein the surface functionalization comprises a coating, ~~in particular with at least one polyelectrolyte film, an adhesion factor, a functional group, a biomolecule, a lipid membrane, a cell layer and/or a blocking molecule.~~
20. (currently amended) Device according to claim ~~[[1]]~~ 28, wherein the substrate comprise plastics, ~~in particular optically high-grade and/or optically non-transparent plastics.~~

21. (canceled)

22. (canceled)

23. (currently amended) Device for microfluid analyses with a substrate with plane base and cover surfaces, wherein

a chamber for receiving liquid comprising at least two admissions is integrated in the substrate, and

in the chamber a semipermeable or permeable membrane is arranged, the chamber being subdivided into two sectional chambers with at least one admission each by the membrane,

wherein the substrate comprises a covering element, in the base surface of which a recess for the chamber is provided, and

~~Device according to claim 21,~~ wherein the covering element comprises an intermediate plate in which an opening for the chamber is provided, and a cover plate which is provided for covering the opening on one side of the intermediate plate.

24. (currently amended) Device for microfluid analyses with a substrate with plane base and cover surfaces, wherein

a chamber for receiving liquid comprising at least two admissions is integrated in the substrate, and

in the chamber a semipermeable or permeable membrane is arranged, the chamber being subdivided into two sectional chambers with at least one admission each by

the membrane,

wherein the substrate comprises a covering element, in the base surface of which
a recess for the chamber is provided,

wherein the covering element is a cover plate, and

~~Device according to claim 22,~~ wherein the membrane is arranged between the
cover plate and the intermediate plate.

25. (currently amended) Device for microfluid analyses with a substrate with plane
base and cover surfaces, wherein

a chamber for receiving liquid comprising at least two admissions is integrated in
the substrate, and

in the chamber a semipermeable or permeable membrane is arranged, the chamber
being subdivided into two sectional chambers with at least one admission each by
the membrane,

wherein the substrate comprises a covering element, in the base surface of which
a recess for the chamber is provided, and

~~Device according to claim 21,~~ wherein the substrate comprises a cover element
for covering the recess.

26. (currently amended) Device according to claim 25, wherein the cover element is a
plastic foil, ~~in particular of optically high-grade plastics and/or with a thickness of
50 μ m to 1 mm.~~

27. (canceled)

28. (currently amended) Device for microfluid analyses with a substrate with plane base and cover surfaces, wherein

a chamber for receiving liquid comprising at least two admissions is integrated in the substrate, and

in the chamber a semipermeable or permeable membrane is arranged, the chamber being subdivided into two sectional chambers with at least one admission each by the membrane,

wherein the substrate comprises a covering element, in the base surface of which a recess for the chamber is provided,

wherein the admissions end in the cover surface of the covering element of the substrate, and

~~Device according to claim 27,~~ wherein furthermore at least one liquid reservoir is provided which is arranged on the covering element of the substrate and in which an admission ends.

29. (currently amended) Device according to claim 28, wherein the at least one liquid reservoir is of plastics, ~~preferably the same plastics as the covering element in the area of the admission port.~~

30. (previously presented) Device according to claim 28, wherein the liquid reservoir and the covering element are formed in one piece in the area of the admission port.

31. (original) Device according to claim 30, wherein the one piece is a molded part.
32. (canceled)
33. (currently amended) Device according to claim ~~[[1]]~~ 28, wherein the base and/or cover surface and/or membrane consists of an optically high-grade material which has autofluorescence as low as or lower than COC or COP.
34. (new) Device according to claim 5, wherein the membrane is elastic.
35. (new) Device according to claim 15, wherein each pore has a pore diameter of 0.5 μm - 20 μm .
36. (new) Device according to claim 19, wherein the coating includes at least one of a polyelectrolyte film, an adhesion factor, a functional group, a biomolecule, a lipid membrane, a cell layer and a blocking molecule.
37. (new) Device according to claim 20, wherein the plastics includes at least one of optically high-grade plastics and optically non-transparent plastics.
38. (new) Device according to claim 26, wherein the plastic foil comprises optically high-grade plastics.
39. (new) Device according to claim 26, wherein the plastic foil has a thickness of 50 μm to 1 mm.
40. (new) Device according to claim 29, wherein the at least one liquid reservoir is of the same plastics as the covering element in the area of the admission port.

41. (new) Device according to claim 23, wherein the sectional chambers are at least partially arranged in parallel one to another.
42. (new) Device according to claim 23, wherein the sectional chambers are arranged in a plane in parallel or perpendicularly to the base surface of the substrate.
43. (new) Device according to claim 23, wherein the membrane is arranged at least partially in a plane in parallel or perpendicularly to the base surface of the substrate.
44. (new) Device according to claim 24, wherein the sectional chambers are at least partially arranged in parallel one to another.
45. (new) Device according to claim 24, wherein the sectional chambers are arranged in a plane in parallel or perpendicularly to the base surface of the substrate.
46. (new) Device according to claim 24, wherein the membrane is arranged at least partially in a plane in parallel or perpendicularly to the base surface of the substrate.
47. (new) Device according to claim 25, wherein the sectional chambers are at least partially arranged in parallel one to another.
48. (new) Device according to claim 25, wherein the sectional chambers are arranged in a plane in parallel or perpendicularly to the base surface of the substrate.